

Converting Colors

XYZ(42.0900, 20.8297, 41.2087)

Have a look what the booklet for
XYZ(42.0900, 20.8297, 41.2087)
contains.

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Color

**XYZ(42.1349, 20.8500,
41.3389)**

Conversions

Conversions Part 1

Format	Color
Hex	EC00AD
RGB	236, 0, 173
RGB Percent	93%, 0%, 68%
CMY	0.0745, 0.9998, 0.3216
CMYK	0.00, 1.00, 0.27, 0.07
HSL	316°, 100%, 46%
HSV	316°, 100%, 93%
XYZ	42.1349, 20.8500, 41.3389
YIQ	90.2860, 85.1230, 103.8350

Conversions

Conversions Part 2

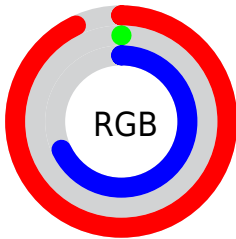
Format	Color
R _Y B	236, 0, 173
Decimal	15466669
CIE Lab	52.78, 84.76, -26.23
CIE LCh	53, 88.723, 342.807
Yxy	20.8500, 0.4039, 0.1999
Android (android.graphics.Color)	4293656749 (0xFFEC00AD)
YUV	90.2860, 40.7780, 127.7912
Hunter-Lab	45.6618, 84.8046, -21.7136

Details

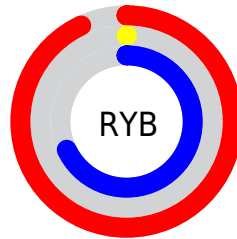
The XYZ color **42.1349, 20.8500, 41.3389** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **30.8947, 60.3508, 14.7304**, and the grayscale version is **9.6865, 10.1910, 11.0980**.

A 20% lighter version of the original color is **59.7505, 35.6525, 77.8612**, and **21.0694, 10.4700, 18.6797** is the 20% darker color. If you saturate the color by 10%, you get **42.1338, 20.8496, 41.3324**, and if you desaturate by 10%, it is **43.0789, 21.7387, 44.7335**.

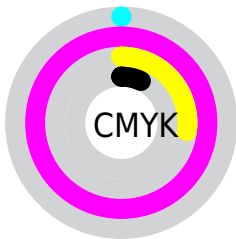
Distribution



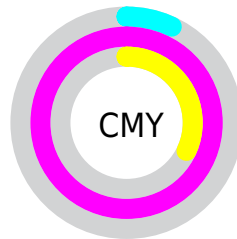
- Red (93%)
- Green (0%)
- Blue (68%)



- Red (93%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1349, 20.8500, 41.3389 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 42.1349, 20.8500, 41.3389 by changing the saturation by 10% instead.

42.1349, 20.8500,
41.3389

42.1349, 20.8500,
41.3389

346.0240,
256.4803, 367.4536

29.3985, 13.0144,
28.2623

77.6676, 44.8378,
78.4573

19.5283, 7.4385,
18.2827

101.1947, 61.7587,
103.3363

12.1589, 3.7378,
10.9816

129.0493, 82.4769,
132.9864

6.9249, 1.5280,
5.9405

161.5969,
107.3767, 167.8262

3.4611, 0.3083,
2.7407

199.2028,
136.8426, 208.2743

1.4020, 0.0000,
0.9638

242.2324,

0.2577, 0.0000,

171.2589, 254.7492

0.0000

291.0510,
211.0099, 307.6694

■ 0.0000, 0.0000,
0.0000

■ 42.1349, 20.8500,
41.3389

■ 42.1349, 20.8500,
41.3389

■ 42.1338, 20.8496,
41.3324

■ 43.0789, 21.7387,
44.7335

■ 44.4395, 23.4142,
48.4106

■ 46.3397, 26.1218,
52.4132

■ 48.8517, 30.0052,
56.7673

■ 52.0364, 35.1854,
61.4949

■ 55.9469, 41.7683,
66.6154

■ 60.6310, 49.8487,
72.1465

■ 66.1321, 59.5132,
78.1045

■ 72.4907, 70.8419,
84.5043

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5318, 20.8500, 84.3526



42.1349, 20.8500, 41.3389



42.7202, 20.8500, 13.1772

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.1349, 20.8500, 41.3389



16.1294, 20.8500, 0.3141



9.4209, 20.8500, 77.9097

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.1349, 20.8500, 41.3389



30.8947, 60.3508, 14.7304

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.0389, 20.8500, 35.9731



42.1349, 20.8500, 41.3389



10.0196, 20.8500, 2.0846

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.1349, 20.8500, 41.3389



25.5550, 20.8500, 0.4370



7.2171, 20.8500, 10.7263



15.0100, 20.8500, 114.4520

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1349, 20.8500, 41.3389



38.8468, 20.8500, 4.7739



7.2171, 20.8500, 10.7263



8.3098, 20.8500, 63.0102

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.1356, 20.8511, 41.3393



72.1940, 59.2737, 85.9110



17.1888, 7.1130, 79.8241



14.9229, 11.7684, 17.7785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1356, 20.8511, 41.3393



50.2004, 24.8442, 49.1150



35.2848, 18.1108, 5.2636



15.5332, 15.2411, 18.0929



23.2813, 11.5152, 23.0806



1.8677, 0.9200, 2.0206

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.1356, 20.8511, 41.3393



50.2004, 24.8442, 49.1150



38.3310, 63.3253, 53.8893



15.5332, 15.2411, 18.0929



23.2813, 11.5152, 23.0806



1.8677, 0.9200, 2.0206

Previews

White Background



This preview shows how the XYZ color 42.1349, 20.8500, 41.3389 looks on a white background.

Color Contrast Check

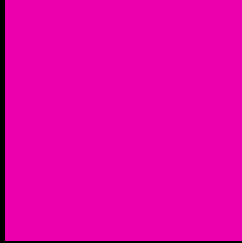
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 42.1349, 20.8500, 41.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1349, 20.8500, 41.3389

Background



This preview shows how black text looks on a background with the XYZ color 42.1349, 20.8500, 41.3389.



This preview shows how white text looks on a background with the XYZ color 42.1349, 20.8500,

41.3389.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.1349, 20.8500, 41.3389

Protanopia

25.4731, 21.9099, 90.0752

Deuteranopia

21.8812, 21.4134, 37.1624



Tritanopia

35.5176, 21.2472, 8.1904

Trichromacy



Original Color

42.1349, 20.8500, 41.3389



Protanomaly

23.4673, 14.7714, 68.6321



Deuteranomaly

24.8559, 16.2770, 37.9081



Tritanomaly

36.8494, 19.9663, 16.0991

Monochromacy



Original Color

42.1349, 20.8500, 41.3389



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1810, 10.1220, 18.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1349, 20.8500, 41.3389 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 42.1349, 20.8500, 41.3389 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 0, 173) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(236, 0, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(236, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1349, 20.8500, 41.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236, 0,  
173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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